KATERYNA TATARKO, University of Alberta
On the mean curvature vector of a special class of submanifolds in a Riemannian submersion

We examine the extrinsic geometry of submanifolds which are generated by the restriction of a Riemannian submersion to submanifolds in the base. In particular, we give a representation of the mean curvature vector of submanifolds of the restriction type in the Riemannian submersion space. Joint work with A. Yampolsky.